

QUALITY CERTIFICATE

№ 2501-042 Issued Date: 14.01.2025

Manufacturer: PlasmaTec LLC
18 Pravednykiv svitu str., Vinnytsia, Vinnytsia
region, Vinnytsia district, Ukraine, 21036

Product
Welding electrodes Monolith M-316L-16 TM MONOLITH d 3.2 mm (1/8"): vacuum 1 kg (2.2 LB)

Specification/Classification	AWS A5.4/SFA-5.4: E316/E316L-16 CSA W48: E316L-16 EN ISO 3581-A-E 19 12 3 L R 1 2
Batch classification according to EN ISO 14344	C5
Lot Number	001

Mechanical properties of weld metal EN 10204, type 2.2

Index	Requirements (AWS A5.4)	Typical data
Tensile strength, (MPa/ksi)	min. 490 (70)	593 (86)
Elongation, %	min. 30	39
Ferrite Number, FN (magnetic induction method)	Actual data 14.3	
Ferrite Number, WRC-1992	Actual data 6.5	


Chemical analysis of weld metal, % EN 10204, type 3.1

Index	Requirements (AWS A5.4)	Actual data
C	max. 0.04	0.01
Si	max. 1.0	0.72
Mn	0.5-2.5	0.86
P	max. 0.04	0.02
S	max. 0.03	0.022
Cr	17.0-20.0	18.5
Ni	11.0-14.0	11.68
Mo	2.0-3.0	2.7
Cu	max. 0.75	0.05

Post weld heat treatment - As welded

The product was manufactured and supplied according to a Quality System Program that meets the requirements of ISO 9001. The delivery conditions are in accordance with EN ISO 544.

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Lot Number identification: **001 3.2 XO** (example of Lot number), where **001** – actual Lot Number, 3.2 XO - additional information (3.2 - electrode size in mm; X – pressing team, O – packing team)